

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052219\  
 Data File : VL033755.D  
 Acq On : 22 May 2019 22:07  
 Operator : SY/AP  
 Sample : K2929-20  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 BPS1-SG-3002-25

Manual Integrations  
 APPROVED

MMDadoda  
 5/28/2019 2:51:10 AM

Quant Time: May 23 05:49:55 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri May 18 2019  
 QLast Update : Fri May 17 08:15:41 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.75  | 49   | 1013994  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.28  | 114  | 2533754  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.23 | 117  | 2572720  | 10.00 | ppbv  | 0.00     |

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| System Monitoring Compounds |        |       |          |          |      |        |
| 68) 1-Bromo-4-Fluorobenzene | 14.56  | 95    | 2040820  | 9.79     | ppbv | -0.02  |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 97.90% |

| Target Compounds           | R.T.  | QIon | Response | Conc   | Units  | Ovalue |
|----------------------------|-------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane | 3.07  | 85   | 45317    | 0.212  | ppbv   | 99     |
| 3) Chlorodifluoromethane   | 3.01  | 51   | 25994m   | 0.224  | ppbv   |        |
| 4) Chloromethane           | 3.17  | 50   | 28615    | 0.431  | ppbv # | 84     |
| 9) Propene                 | 3.03  | 41   | 504157   | 10.205 | ppbv   | 92     |
| 10) Heptane                | 8.24  | 43   | 237801   | 1.700  | ppbv   | 100    |
| 11) Trichlorofluoromethane | 4.00  | 101  | 45716    | 0.224  | ppbv   | 98     |
| 13) Ethanol                | 3.65  | 45   | 238390   | 14.930 | ppbv   | 98     |
| 15) Acetone                | 3.89  | 43   | 2830777  | 20.121 | ppbv   | 97     |
| 17) tert-Butyl alcohol     | 4.36  | 59   | 61092    | 0.537  | ppbv # | 94     |
| 19) Isopropyl Alcohol      | 4.03  | 45   | 78353    | 0.864  | ppbv # | 94     |
| 20) Methylene Chloride     | 4.40  | 84   | 29045    | 0.536  | ppbv   | 89     |
| 26) Hexane                 | 5.77  | 57   | 199192   | 1.875  | ppbv   | 93     |
| 27) Carbon Disulfide       | 4.61  | 76   | 67201    | 0.461  | ppbv # | 89     |
| 30) Cyclohexane            | 7.24  | 84   | 24859    | 0.278  | ppbv # | 84     |
| 34) 2-Butanone             | 5.32  | 43   | 319671   | 2.035  | ppbv   | 99     |
| 35) Carbon Tetrachloride   | 7.13  | 117  | 10047m   | 0.050  | ppbv   |        |
| 36) Benzene                | 6.99  | 78   | 250545   | 1.087  | ppbv # | 95     |
| 44) 2,2,4-Trimethylpentane | 7.98  | 57   | 111135   | 0.285  | ppbv # | 71     |
| 52) Tetrachloroethene      | 11.36 | 164  | 5181m    | 0.064  | ppbv   |        |
| 53) Toluene                | 9.93  | 91   | 2679080  | 10.777 | ppbv   | 99     |
| 58) Ethyl Benzene          | 12.85 | 91   | 425330   | 1.248  | ppbv   | 99     |
| 59) m/p-Xylene             | 13.11 | 91   | 1272492  | 4.273  | ppbv   | 98     |
| 60) o-Xylene               | 13.84 | 91   | 394062   | 1.313  | ppbv   | 99     |
| 64) n-propylbenzene        | 15.70 | 120  | 16635m   | 0.159  | ppbv   |        |
| 72) 4-Ethyltoluene         | 15.99 | 105  | 86536m   | 0.252  | ppbv   |        |
| 73) 1,3,5-Trimethylbenzene | 16.15 | 105  | 51669m   | 0.154  | ppbv   |        |
| 74) 1,2,4-Trimethylbenzene | 16.91 | 105  | 199445   | 0.547  | ppbv # | 78     |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

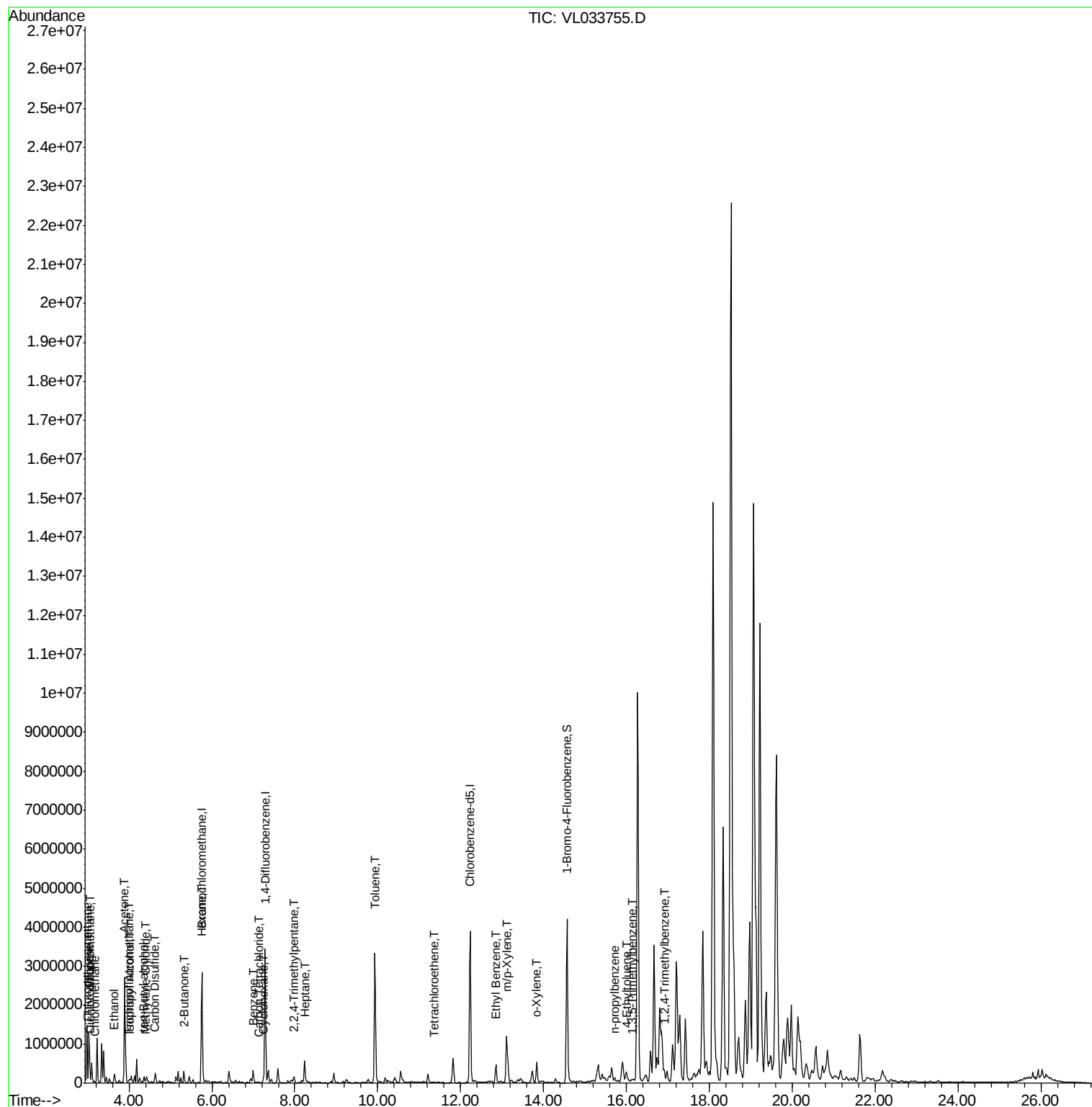
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052219\  
Data File : VL033755.D  
Acq On : 22 May 2019 22:07  
Operator : SY/AP  
Sample : K2929-20  
Misc : 400ml/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

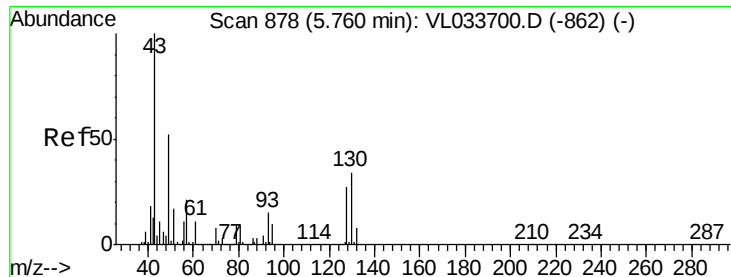
Instrument :  
MSVOA\_L  
ClientSampleId :  
BPS1-SG-3002-25

Manual Integrations  
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5/28/2019 2:51:10 AM

Quant Time: May 23 05:49:55 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri May  
QLast Update : Fri May 17 08:15:41 2019  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 876

Delta R.T. -0.01 min

Lab File: VL033755.D

Acq: 22 May 2019 22:07

Instrument :

MSVOA\_L

ClientSampleId :

BPS1-SG-3002-25

Tot Ion: 49 Resp: 1013994

Ion Ratio Lower Upper

49 100

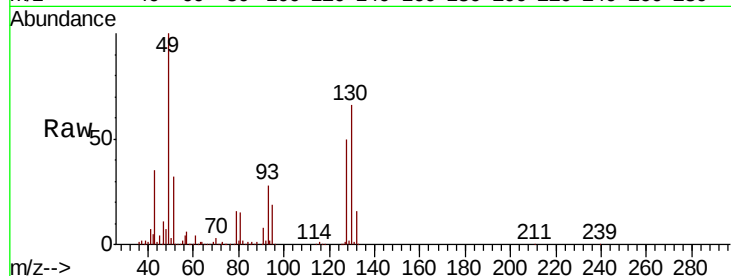
128 51.6 25.2 75.6

130 66.6 32.5 97.5

Manual Integrations  
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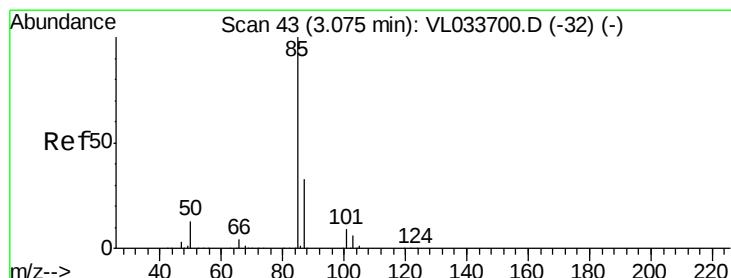
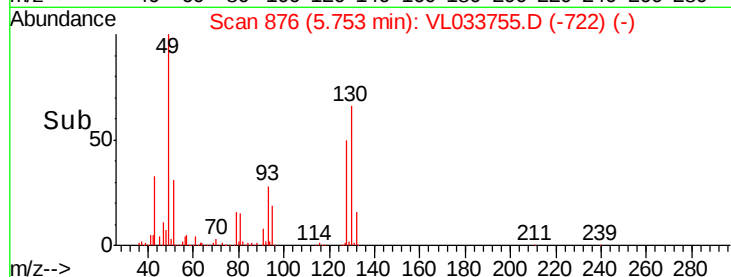
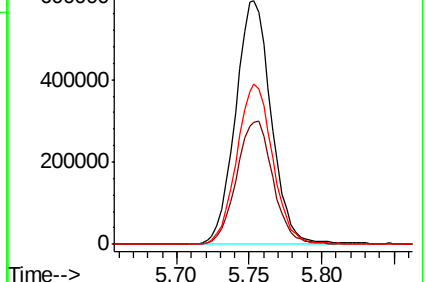
5/28/2019 2:51:10 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.212 ppbv

RT: 3.07 min Scan# 42

Delta R.T. -0.00 min

Lab File: VL033755.D

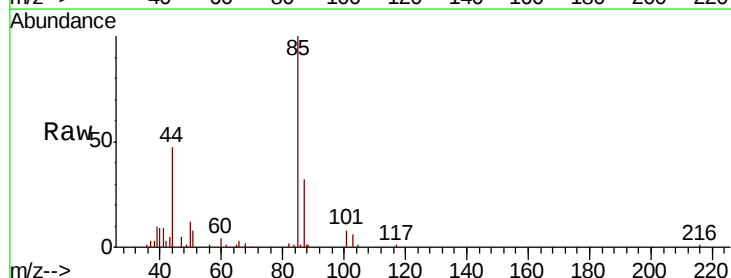
Acq: 22 May 2019 22:07

Tgt Ion: 85 Resp: 45317

Ion Ratio Lower Upper

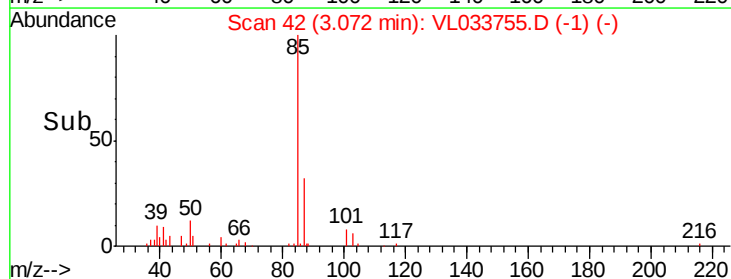
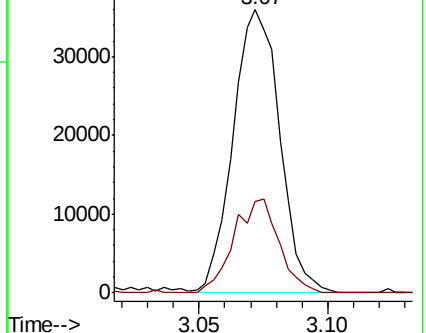
85 100

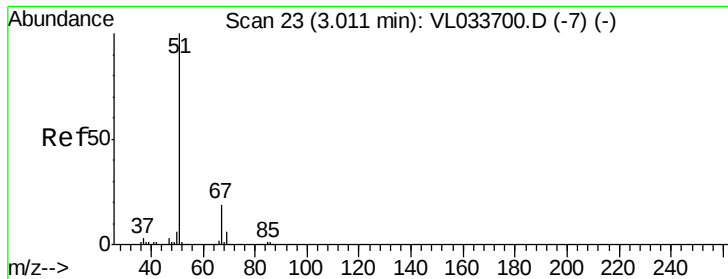
87 32.3 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





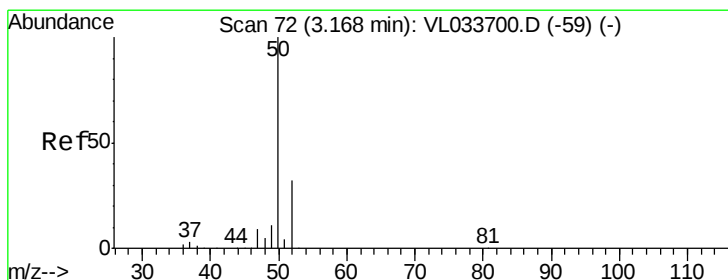
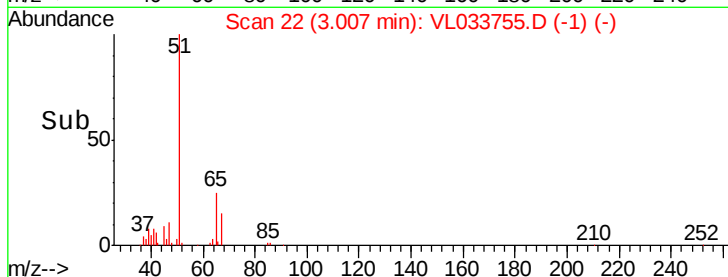
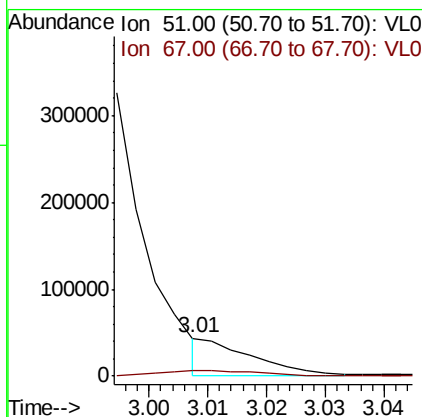
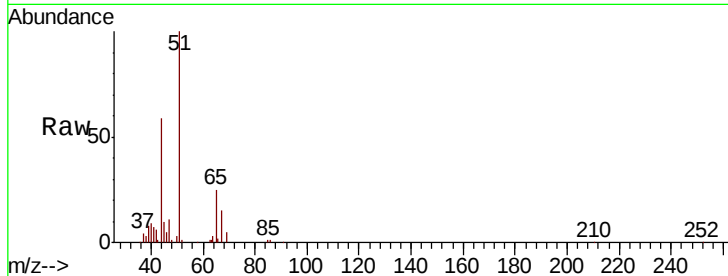
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Chlorodifluoromethane  
Concen: 0.224 ppbv  
RT: 3.01 min Scan# 22  
Delta R.T. -0.00 min  
Lab File: VL033755.D  
Acq: 22 May 2019 22:07

Instrument :  
MSVOA\_L  
ClientSampleId :  
BPS1-SG-3002-25

| Tot Ion   | 51   | Resp  | 25994 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 51        | 100  |       |       |
| 67        | 30.0 | 15.6  | 23.4# |

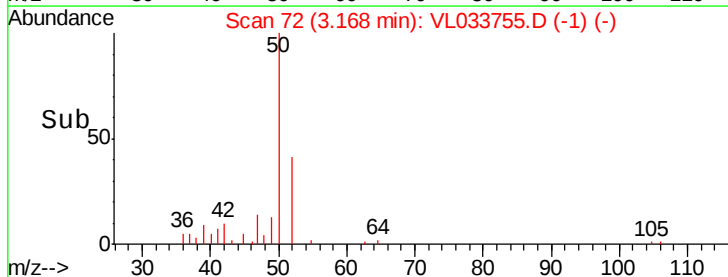
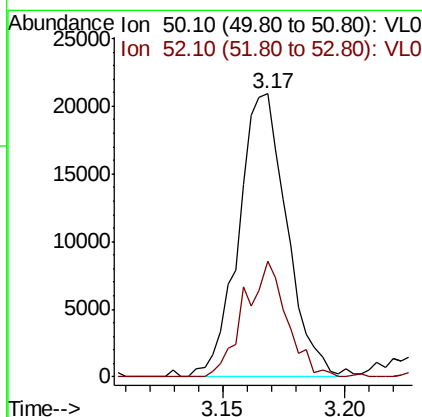
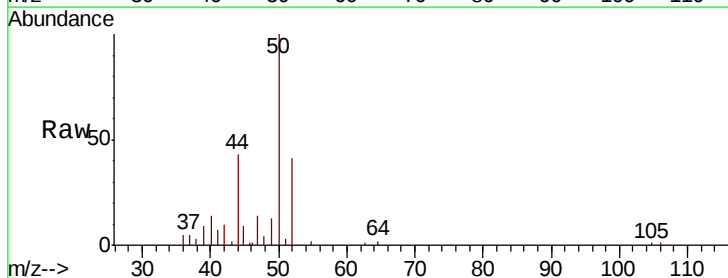
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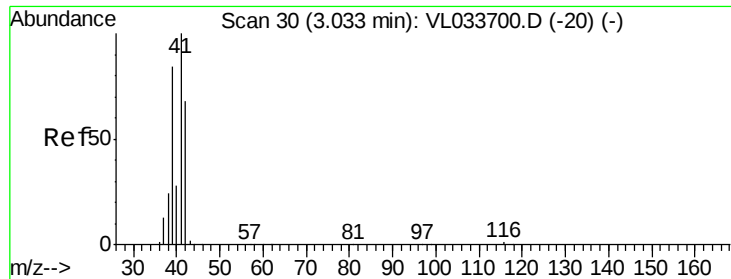
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#4  
Chloromethane  
Concen: 0.431 ppbv  
RT: 3.17 min Scan# 72  
Delta R.T. 0.00 min  
Lab File: VL033755.D  
Acq: 22 May 2019 22:07

| Tgt Ion   | 50   | Resp  | 28615 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 50        | 100  |       |       |
| 52        | 41.0 | 25.7  | 38.5# |





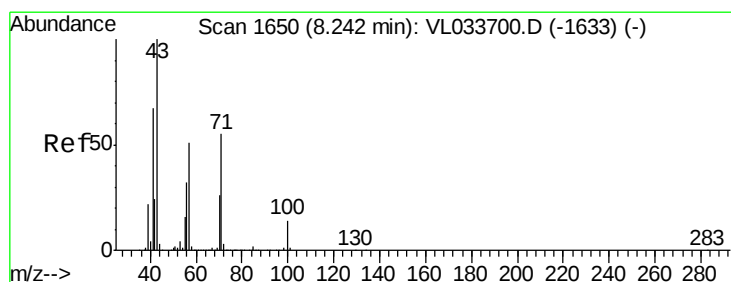
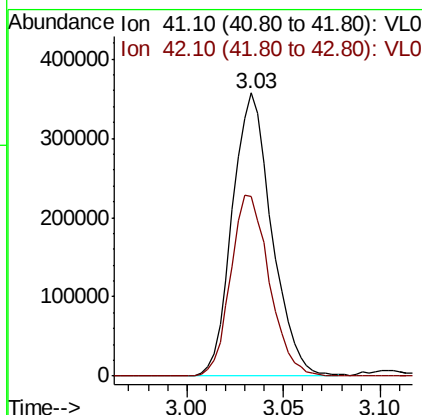
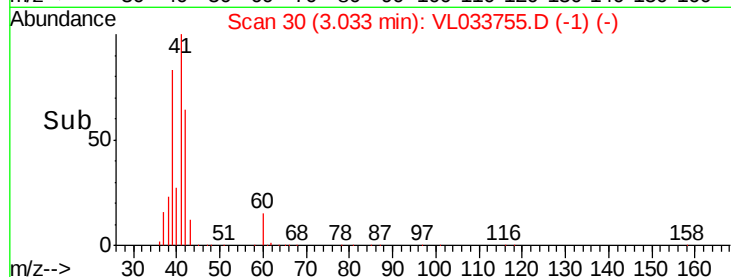
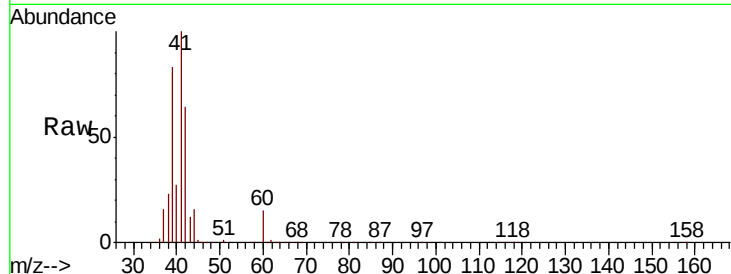
#9  
 Propene  
 Concen: 10.205 ppbv  
 RT: 3.03 min Scan# 30  
 Delta R.T. 0.00 min  
 Lab File: VL033755.D  
 Acq: 22 May 2019 22:07

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 BPS1-SG-3002-25

| Tot Ion   | 41   | Resp  | 504157 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 41        | 100  |       |        |
| 42        | 63.2 | 56.1  | 84.1   |

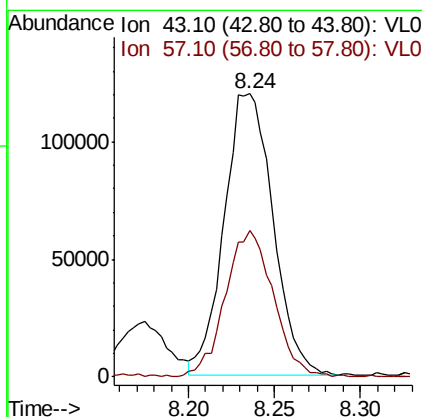
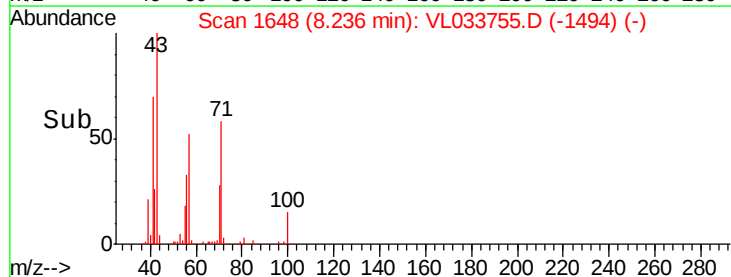
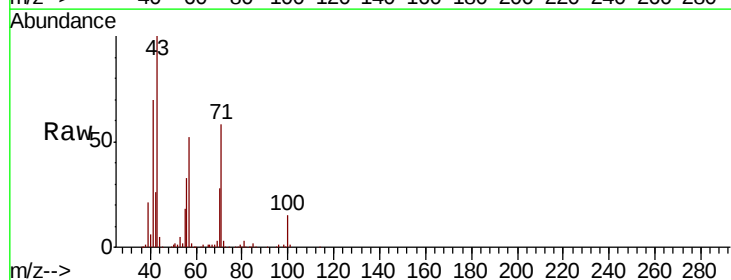
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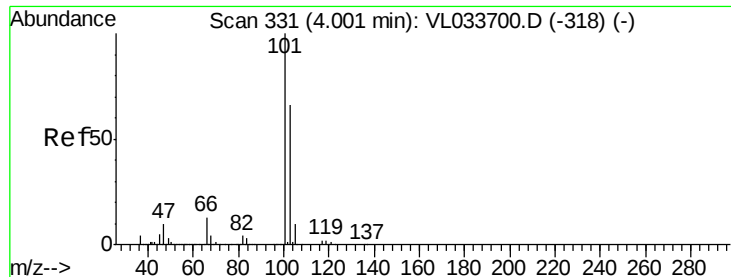
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#10  
 Heptane  
 Concen: 1.700 ppbv  
 RT: 8.24 min Scan# 1648  
 Delta R.T. -0.01 min  
 Lab File: VL033755.D  
 Acq: 22 May 2019 22:07

| Tgt Ion   | 43   | Resp  | 237801 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 43        | 100  |       |        |
| 57        | 51.6 | 41.4  | 62.0   |





#11

Trichlorofluoromethane

Concen: 0.224 ppbv

RT: 4.00 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL033755.D

Acq: 22 May 2019 22:07

Instrument :

MSVOA\_L

ClientSampleId :

BPS1-SG-3002-25

Tot Ion:101 Resp: 45716

Ion Ratio Lower Upper

101 100

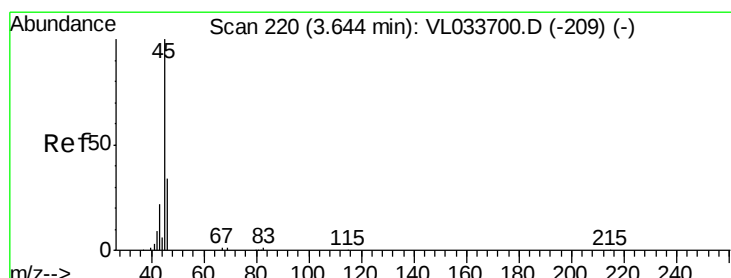
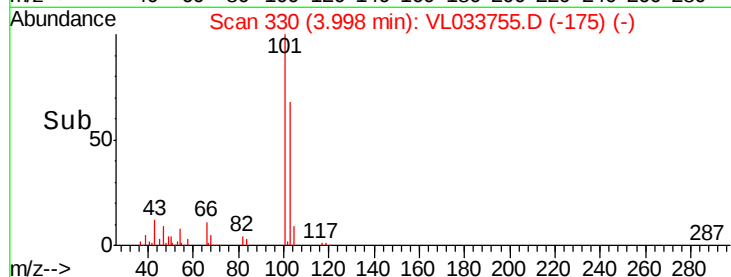
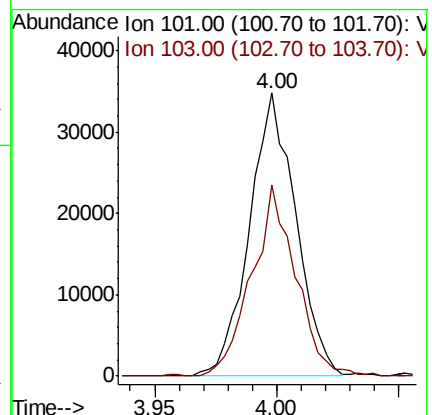
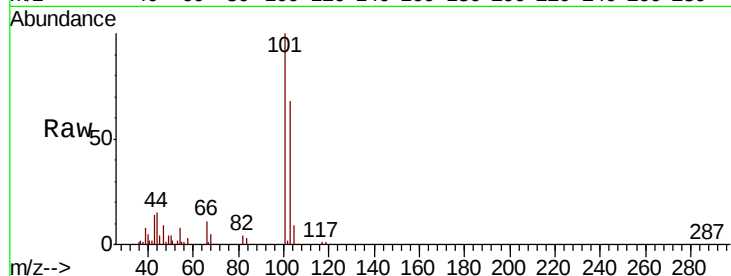
103 67.6 52.6 78.8

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#13

Ethanol

Concen: 14.930 ppbv

RT: 3.65 min Scan# 221

Delta R.T. 0.00 min

Lab File: VL033755.D

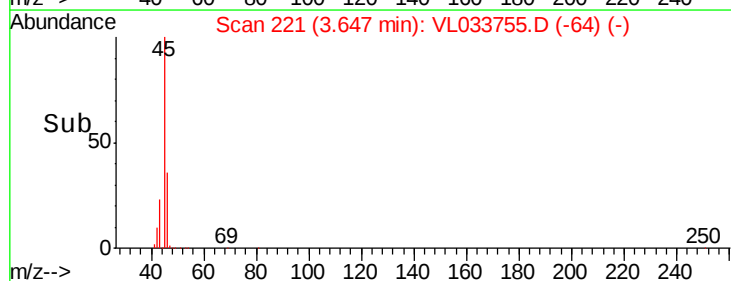
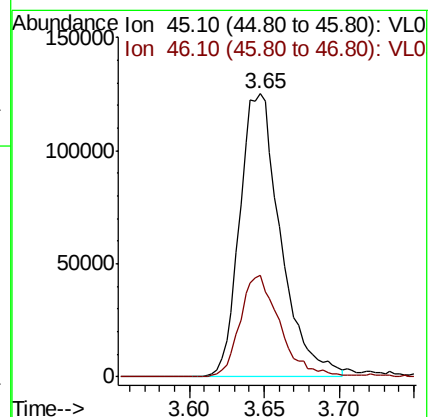
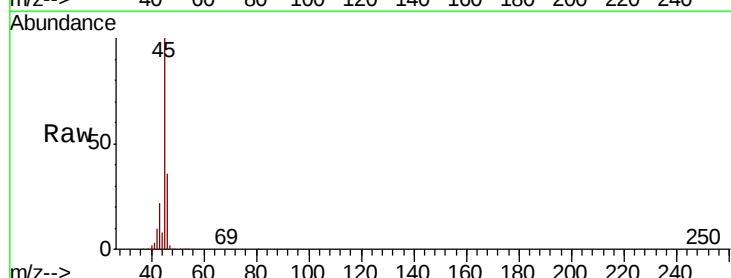
Acq: 22 May 2019 22:07

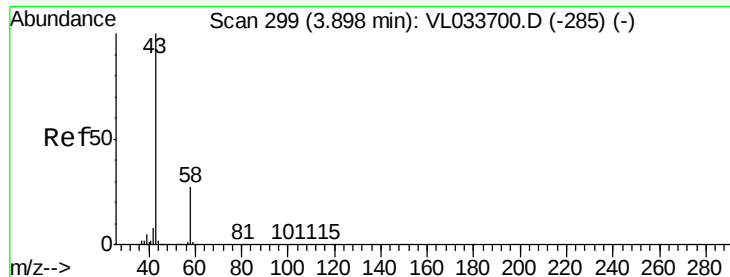
Tgt Ion: 45 Resp: 238390

Ion Ratio Lower Upper

45 100

46 35.9 14.8 59.0





#15

Acetone

Concen: 20.121 ppbv

RT: 3.89 min Scan# 297

Delta R.T. -0.01 min

Lab File: VL033755.D

Acq: 22 May 2019 22:07

Instrument :

MSVOA\_L

ClientSampleId :

BPS1-SG-3002-25

Tot Ion: 43 Resp: 2830777

Ion Ratio Lower Upper

43 100

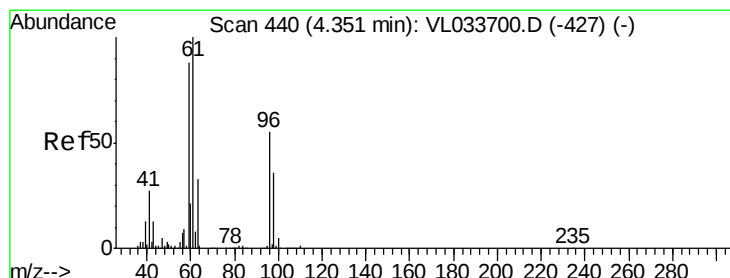
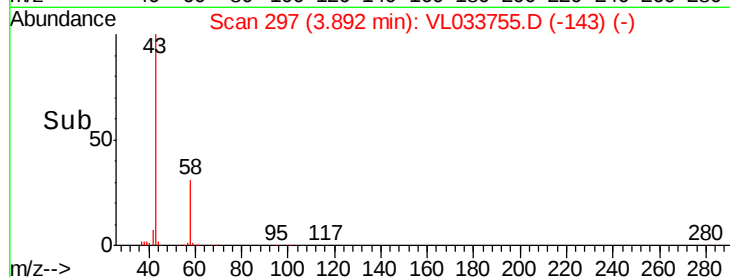
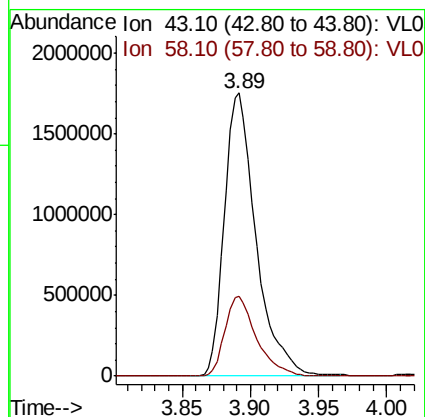
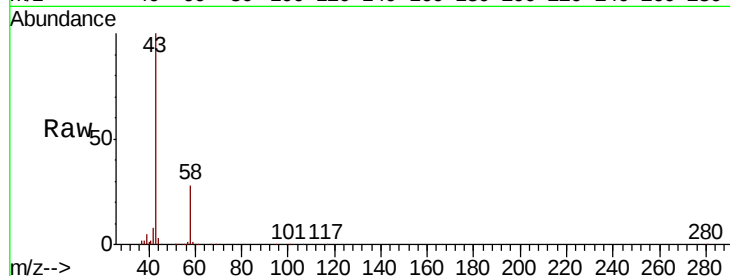
58 28.3 21.3 31.9

Manual Integrations

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#17

tert-Butyl alcohol

Concen: 0.537 ppbv

RT: 4.36 min Scan# 443

Delta R.T. 0.01 min

Lab File: VL033755.D

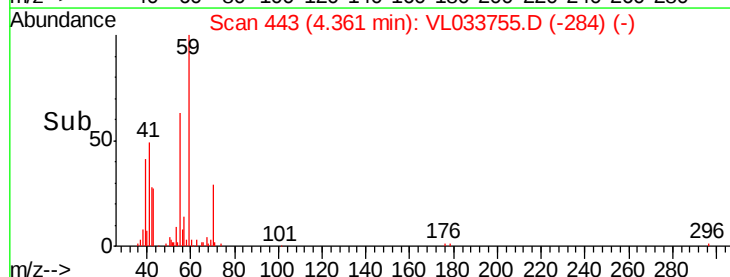
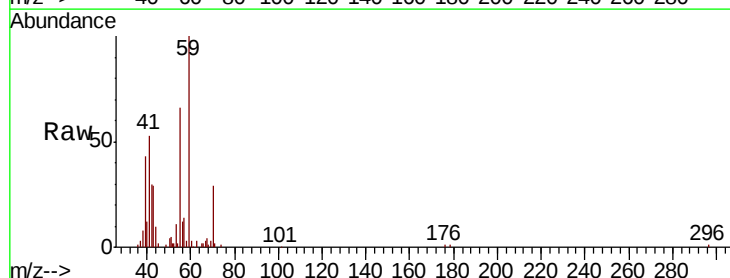
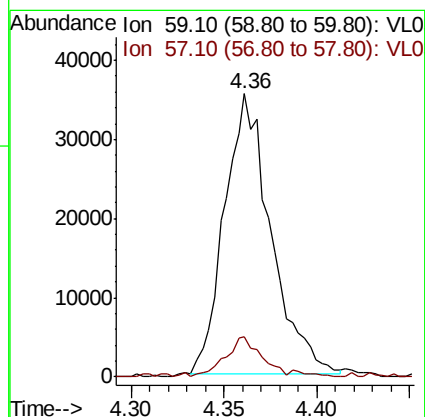
Acq: 22 May 2019 22:07

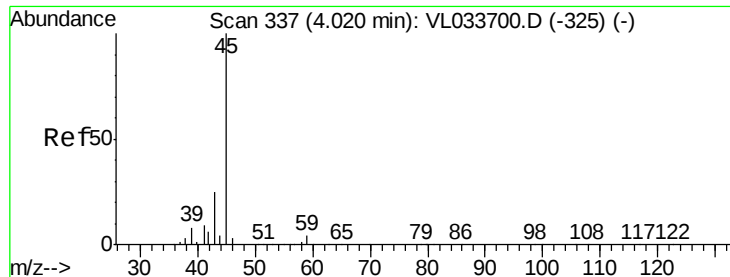
Tgt Ion: 59 Resp: 61092

Ion Ratio Lower Upper

59 100

57 12.9 8.4 12.6#





#19

Isopropyl Alcohol

Concen: 0.864 ppbv

RT: 4.03 min Scan# 339

Delta R.T. 0.01 min

Lab File: VL033755.D

Acq: 22 May 2019 22:07

Instrument :

MSVOA\_L

ClientSampleId :

BPS1-SG-3002-25

Tot Ion: 45 Resp: 78353

Ion Ratio Lower Upper

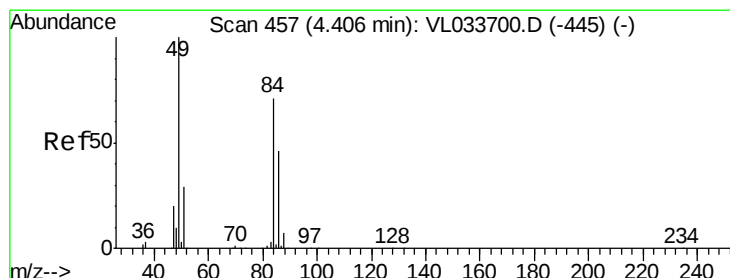
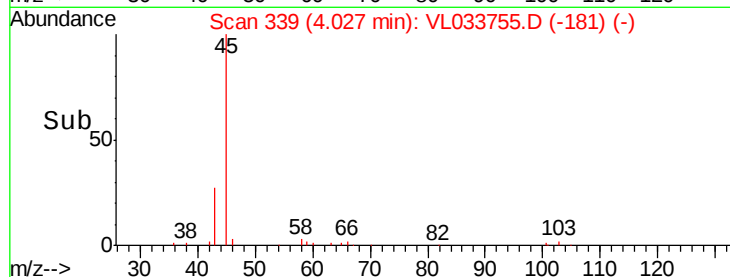
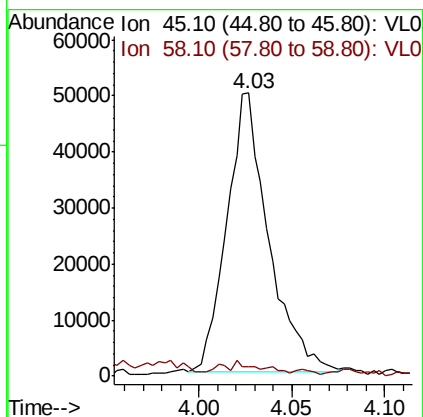
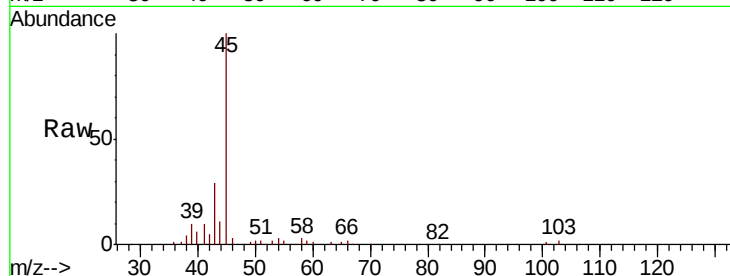
45 100

58 0.0 1.6 2.4#

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#20

Methylene Chloride

Concen: 0.536 ppbv

RT: 4.40 min Scan# 455

Delta R.T. -0.01 min

Lab File: VL033755.D

Acq: 22 May 2019 22:07

Tgt Ion: 84 Resp: 29045

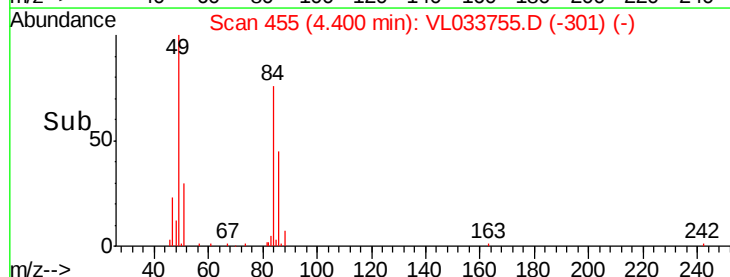
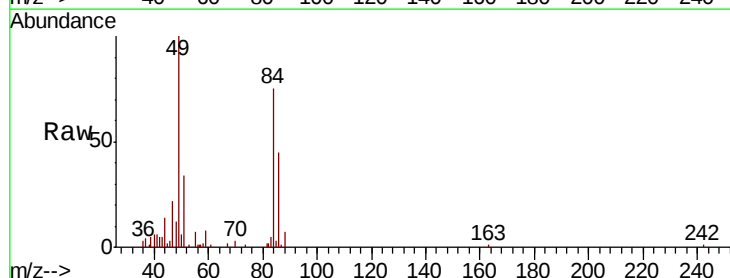
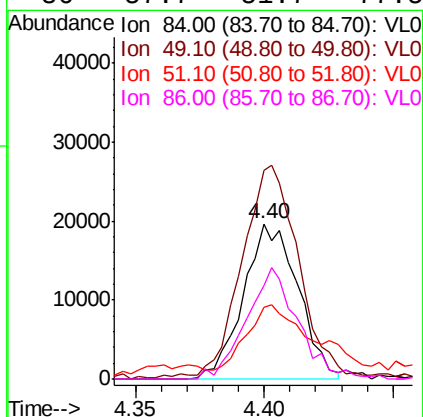
Ion Ratio Lower Upper

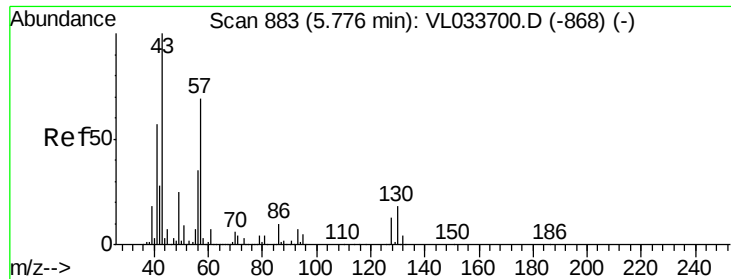
84 100

49 127.1 112.8 169.2

51 35.1 33.4 50.0

86 57.7 51.7 77.5





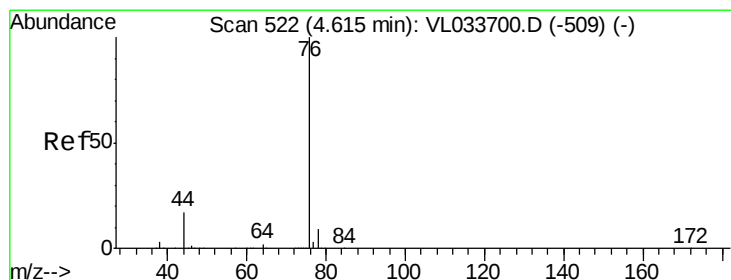
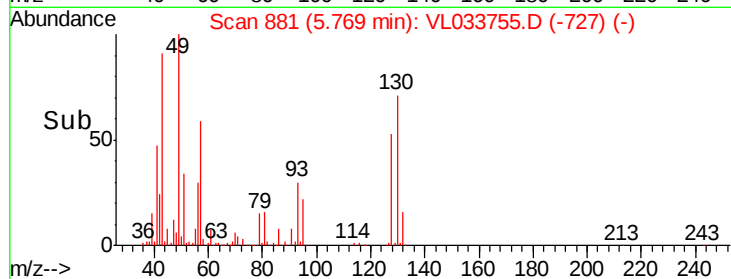
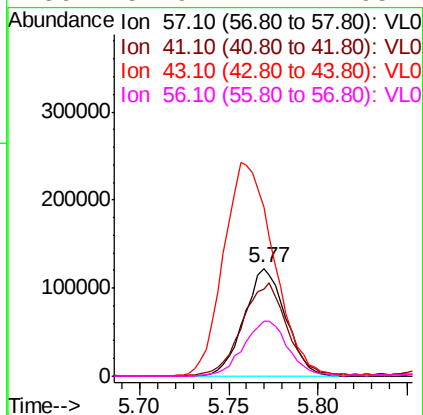
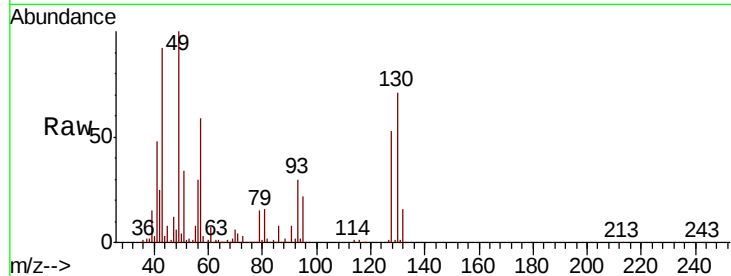
#26  
Hexane  
Concen: 1.875 ppbv  
RT: 5.77 min Scan# 881  
Delta R.T. -0.01 min  
Lab File: VL033755.D  
Acq: 22 May 2019 22:07

Instrument :  
MSVOA\_L  
ClientSampleId :  
BPS1-SG-3002-25

| Tot Ion | 57    | Resp  | 199192 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 57      | 100   |       |        |
| 41      | 95.7  | 69.8  | 104.6  |
| 43      | 237.6 | 181.8 | 272.6  |
| 56      | 54.9  | 42.1  | 63.1   |

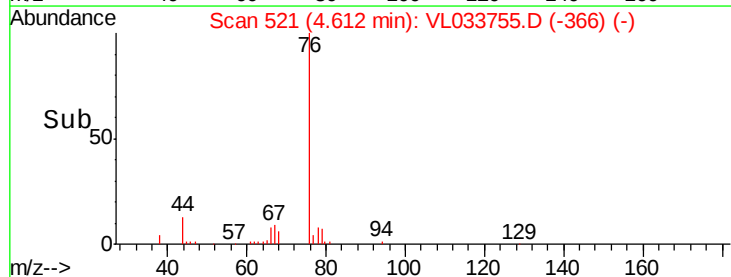
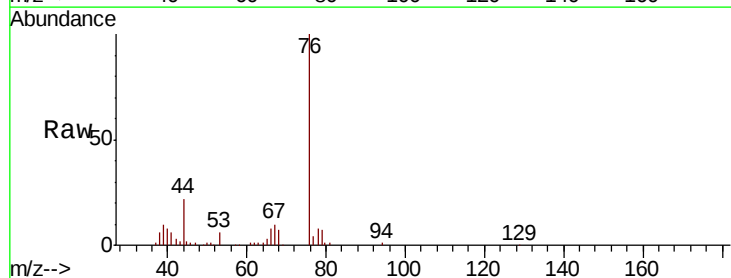
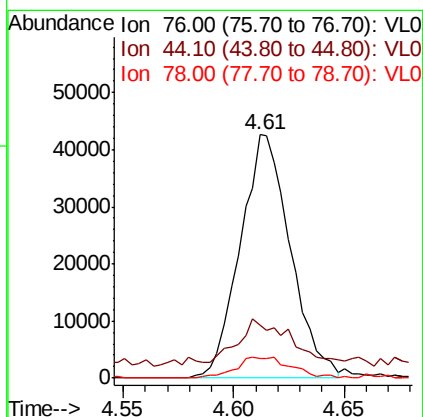
Manual Integrations  
APPROVED

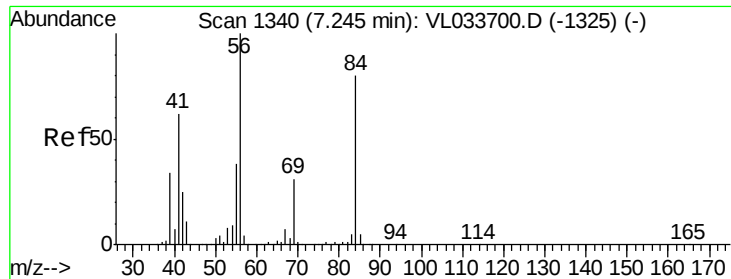
MMDadoda  
5/28/2019 2:51:10 AM



#27  
Carbon Disulfide  
Concen: 0.461 ppbv  
RT: 4.61 min Scan# 521  
Delta R.T. -0.00 min  
Lab File: VL033755.D  
Acq: 22 May 2019 22:07

| Tgt Ion | 76    | Resp  | 67201 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 76      | 100   |       |       |
| 44      | 24.2  | 13.8  | 20.8# |
| 78      | 9.6   | 7.4   | 11.0  |





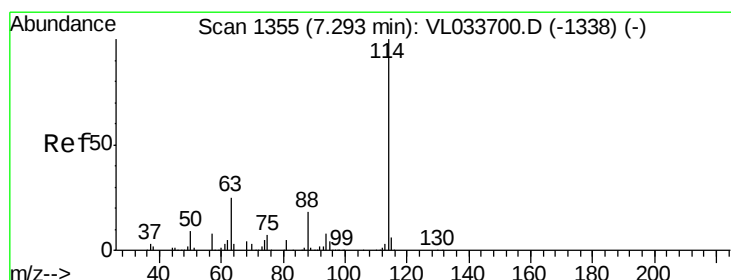
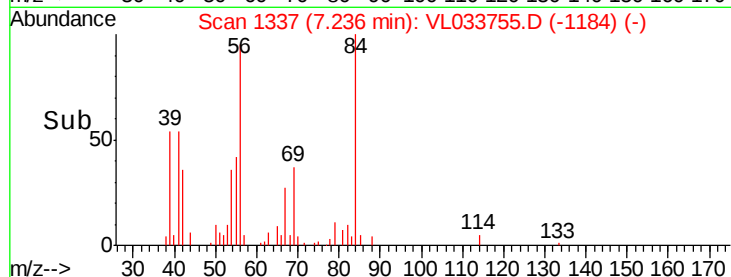
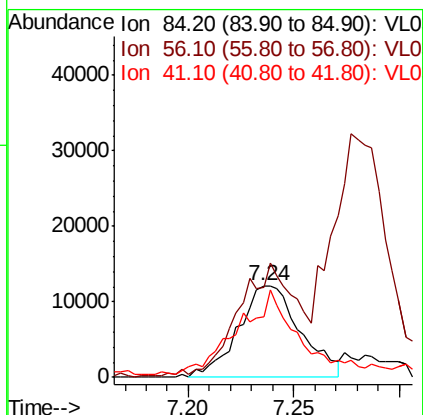
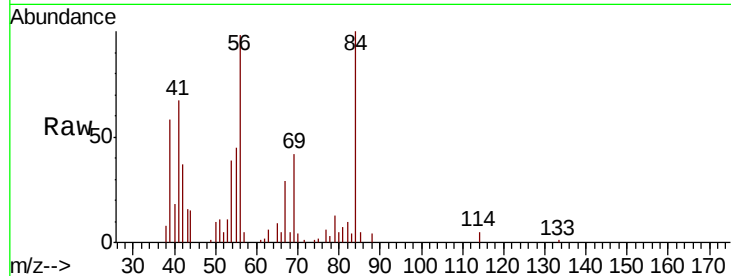
#30  
Cvclohexane  
Concen: 0.278 ppbv  
RT: 7.24 min Scan# 1337  
Delta R.T. -0.01 min  
Lab File: VL033755.D  
Acq: 22 May 2019 22:07

Instrument :  
MSVOA\_L  
ClientSampleId :  
BPS1-SG-3002-25

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 56      | 120.0 | 107.7 | 161.5 |
| 41      | 101.2 | 66.0  | 99.0# |

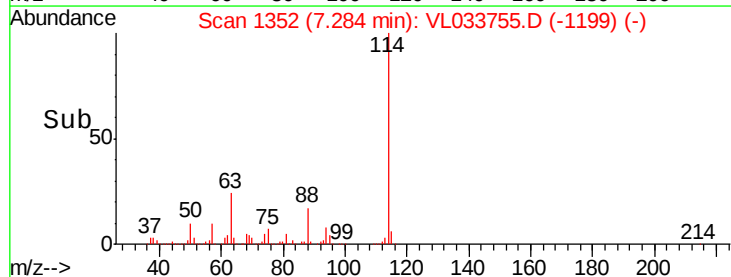
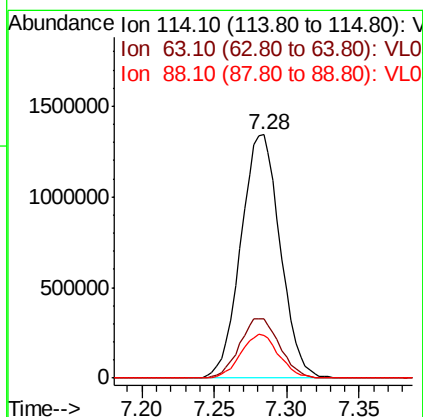
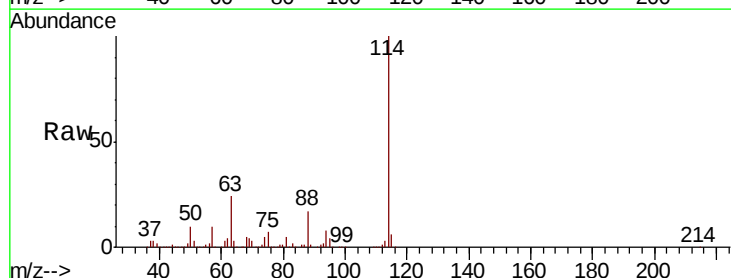
Manual Integrations  
APPROVED

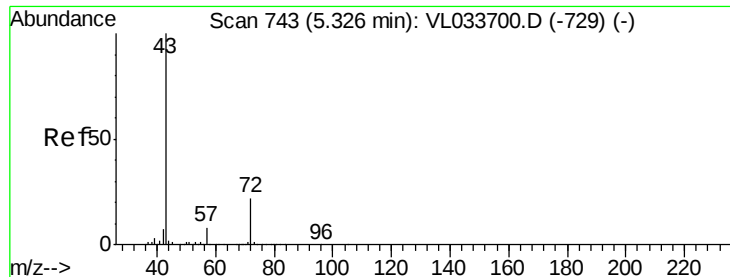
MMDadoda  
5/28/2019 2:51:10 AM



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.28 min Scan# 1352  
Delta R.T. -0.01 min  
Lab File: VL033755.D  
Acq: 22 May 2019 22:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 24.7  | 20.9  | 31.3  |
| 88      | 17.7  | 14.3  | 21.5  |





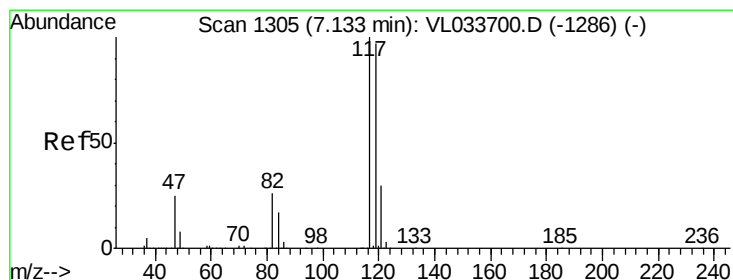
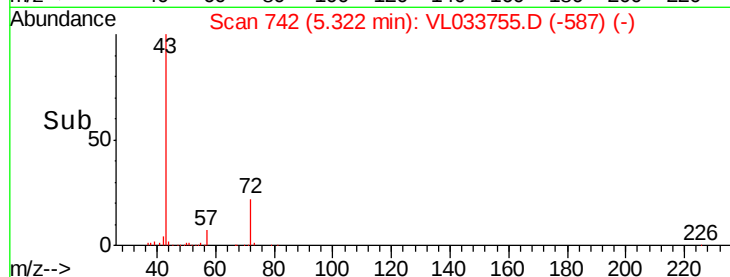
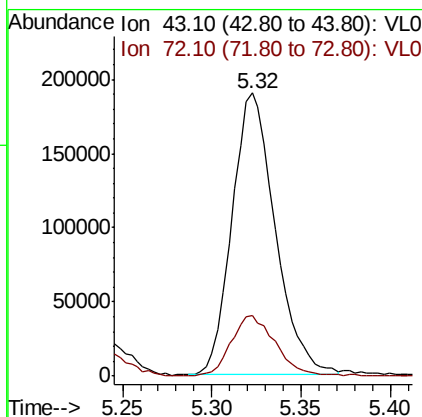
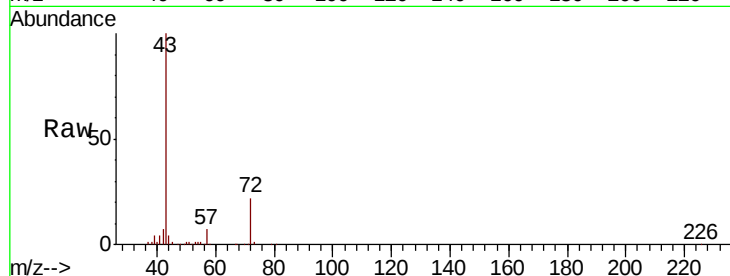
#34  
2-Butanone  
Concen: 2.035 ppbv  
RT: 5.32 min Scan# 742  
Delta R.T. -0.00 min  
Lab File: VL033755.D  
Acq: 22 May 2019 22:07

Instrument :  
MSVOA\_L  
ClientSampleId :  
BPS1-SG-3002-25

Tot Ion: 43 Resp: 319671  
Ion Ratio Lower Upper  
43 100  
72 22.5 17.8 26.6

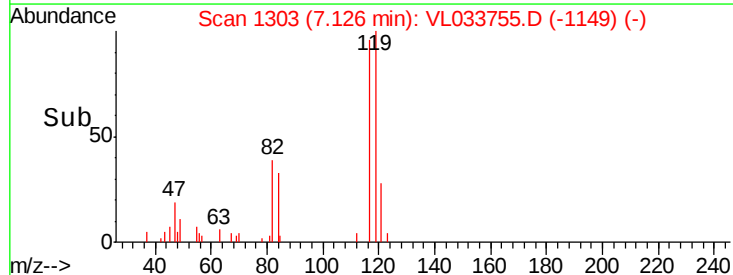
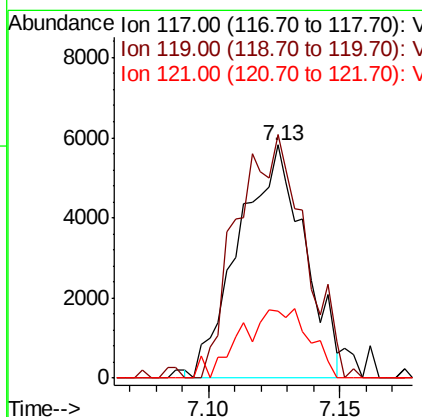
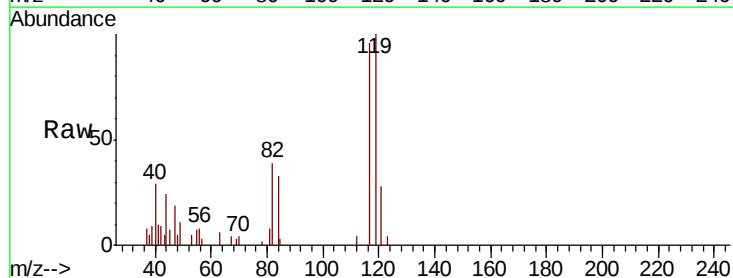
Manual Integrations  
APPROVED

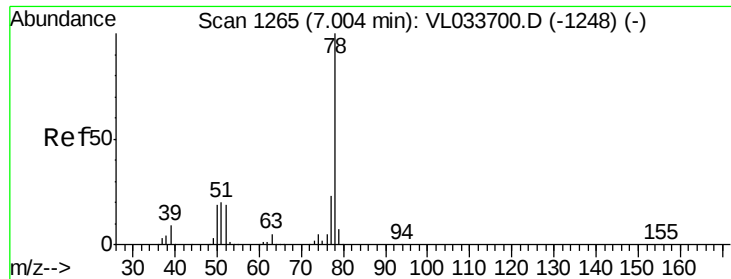
MMDadoda  
5/28/2019 2:51:10 AM



#35  
Carbon Tetrachloride  
Concen: 0.050 ppbv m  
RT: 7.13 min Scan# 1303  
Delta R.T. -0.01 min  
Lab File: VL033755.D  
Acq: 22 May 2019 22:07

Tgt Ion: 117 Resp: 10047  
Ion Ratio Lower Upper  
117 100  
119 104.5 77.2 115.8  
121 28.8 24.1 36.1





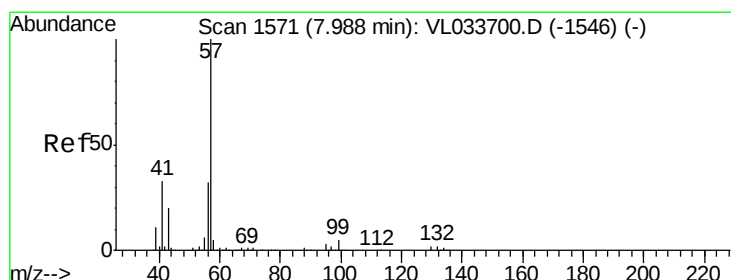
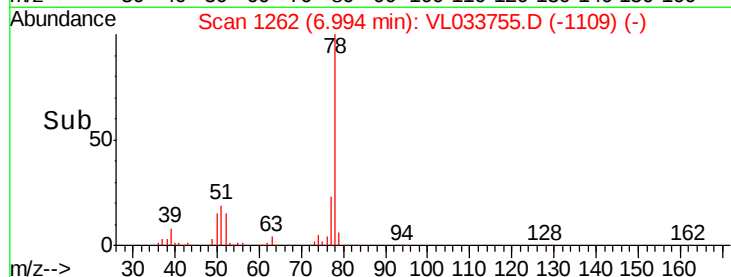
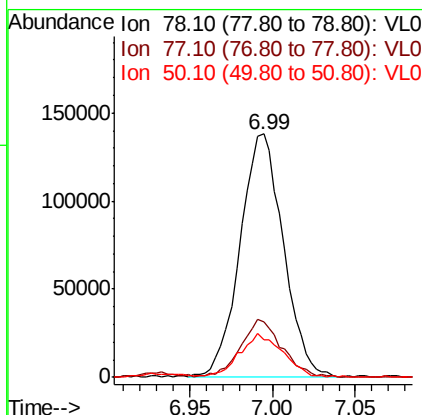
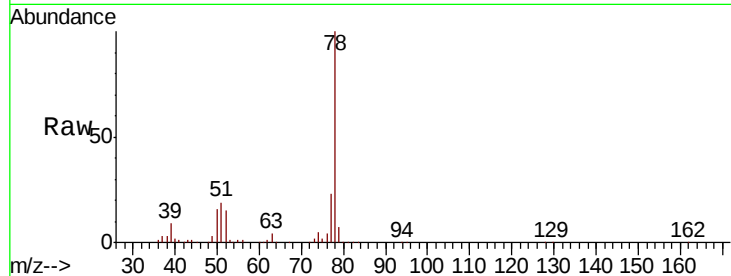
#36  
Benzene  
Concen: 1.087 ppbv  
RT: 6.99 min Scan# 1262  
Delta R.T. -0.01 min  
Lab File: VL033755.D  
Acq: 22 May 2019 22:07

Instrument :  
MSVOA\_L  
ClientSampleId :  
BPS1-SG-3002-25

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 78      | 100   | 250545 |       |       |
| 77      | 22.3  |        | 18.4  | 27.6  |
| 50      | 15.5  |        | 15.5  | 23.3# |

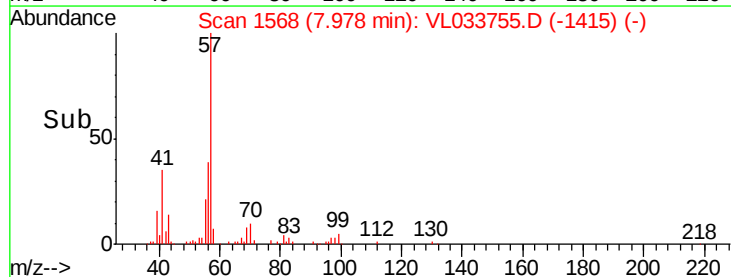
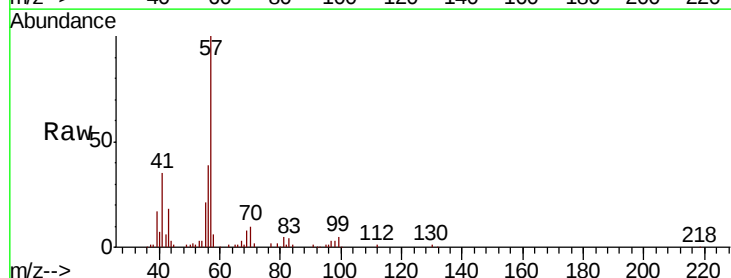
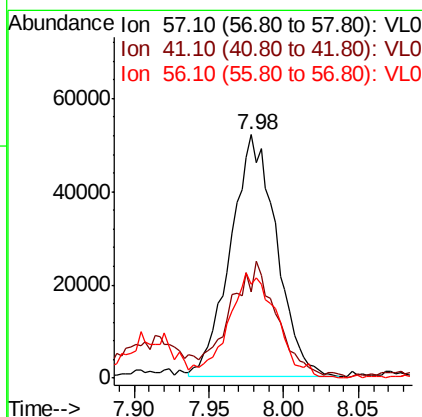
Manual Integrations  
APPROVED

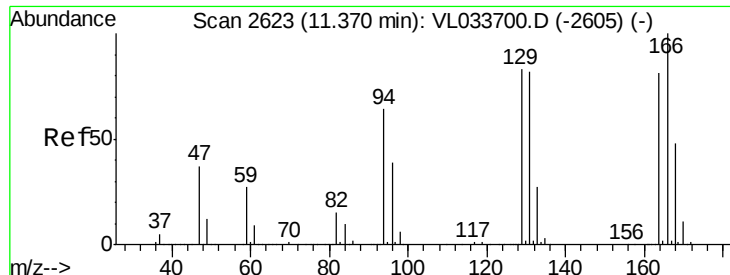
MMDadoda  
5/28/2019 2:51:10 AM



#44  
2,2,4-Trimethylpentane  
Concen: 0.285 ppbv  
RT: 7.98 min Scan# 1568  
Delta R.T. -0.01 min  
Lab File: VL033755.D  
Acq: 22 May 2019 22:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 57      | 100   | 111135 |       |       |
| 41      | 49.1  |        | 25.4  | 38.0# |
| 56      | 45.3  |        | 24.7  | 37.1# |





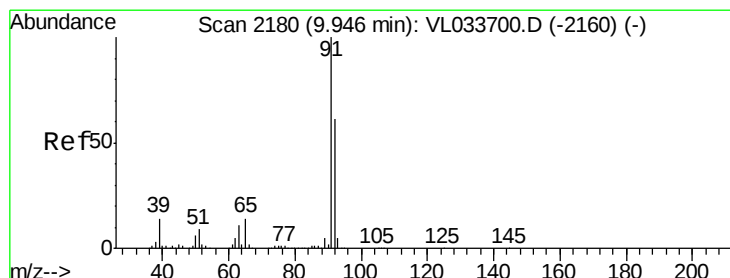
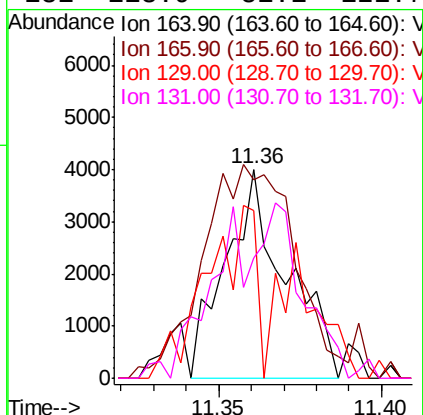
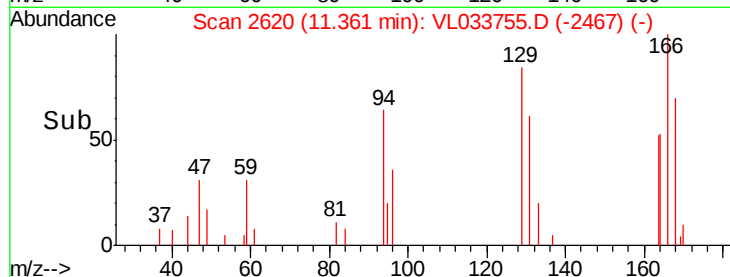
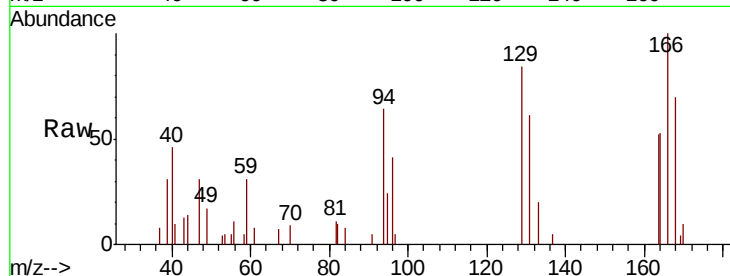
#52  
Tetrachloroethene  
Concen: 0.064 ppbv m  
RT: 11.36 min Scan# 2620  
Delta R.T. -0.01 min  
Lab File: VL033755.D  
Acq: 22 May 2019 22:07

Instrument :  
MSVOA\_L  
ClientSampleId :  
BPS1-SG-3002-25

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 164     | 100   |       |        |
| 166     | 187.2 | 98.9  | 148.3# |
| 129     | 157.8 | 81.8  | 122.6# |
| 131     | 113.9 | 81.1  | 121.7  |

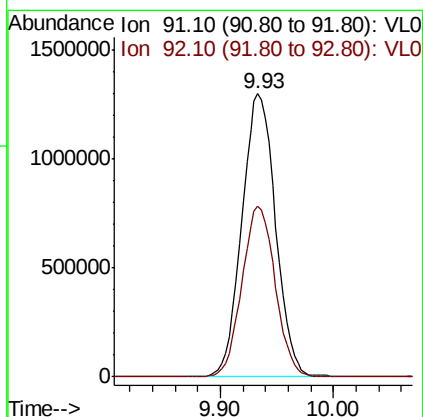
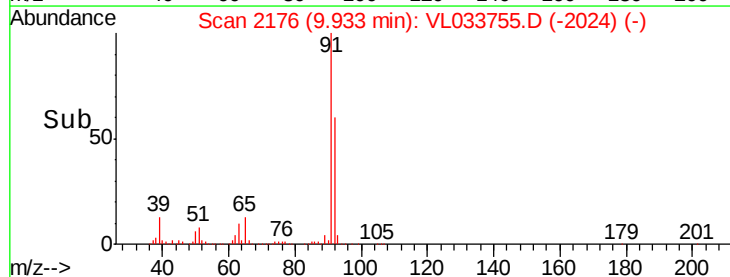
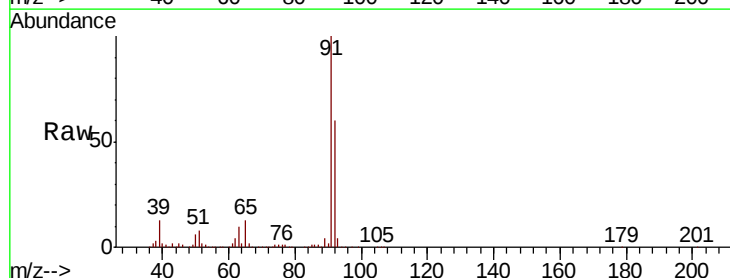
Manual Integrations  
APPROVED

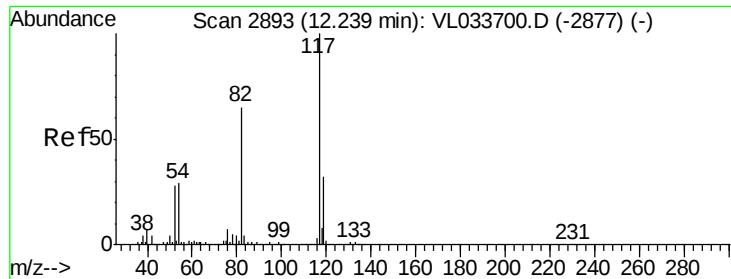
MMDadoda  
5/28/2019 2:51:10 AM



#53  
Toluene  
Concen: 10.777 ppbv  
RT: 9.93 min Scan# 2176  
Delta R.T. -0.01 min  
Lab File: VL033755.D  
Acq: 22 May 2019 22:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 59.9  | 47.6  | 71.4  |





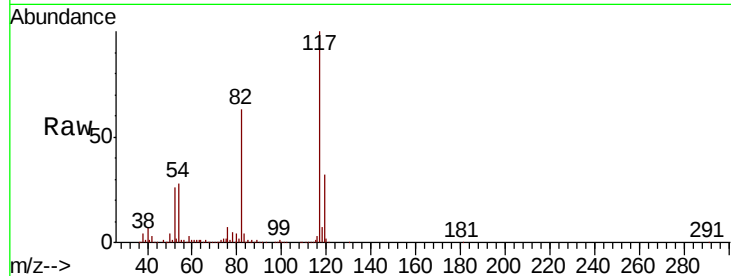
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.23 min Scan# 2890  
Delta R.T. -0.01 min  
Lab File: VL033755.D  
Acq: 22 May 2019 22:07

Instrument :  
MSVOA\_L  
ClientSampleId :  
BPS1-SG-3002-25

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 63.3  | 49.4  | 74.0  |
| 119     | 31.7  | 24.9  | 37.3  |

Manual Integrations  
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MMDadoda  
5/28/2019 2:51:10 AM

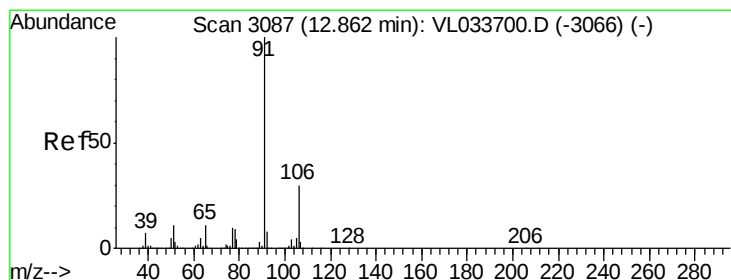
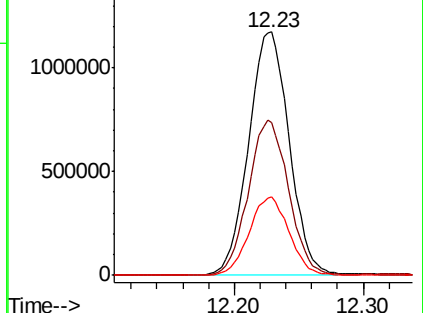
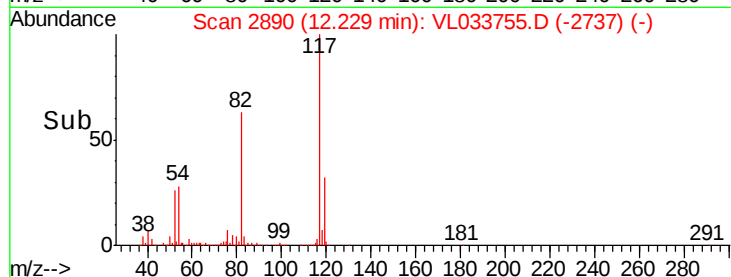


Abundance

Ion 117.10 (116.80 to 117.80): V

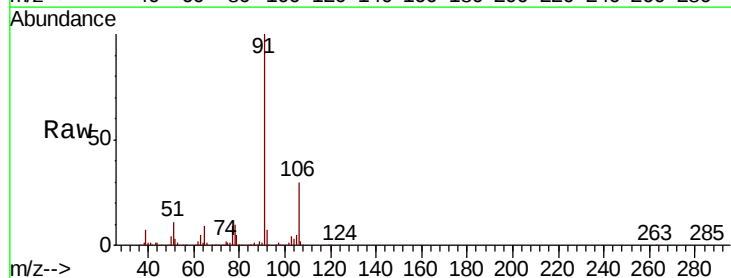
Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#58  
Ethyl Benzene  
Concen: 1.248 ppbv  
RT: 12.85 min Scan# 3083  
Delta R.T. -0.01 min  
Lab File: VL033755.D  
Acq: 22 May 2019 22:07

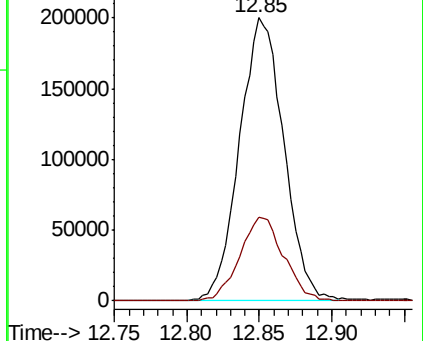
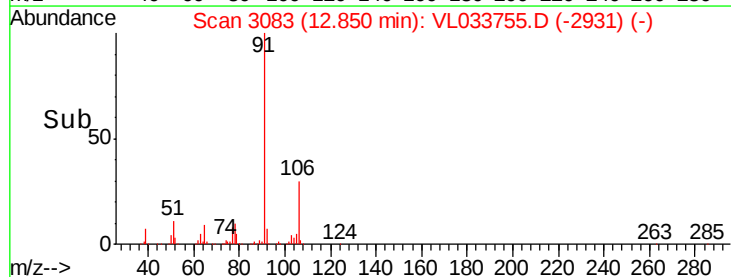
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 106     | 29.4  | 23.9  | 35.9  |

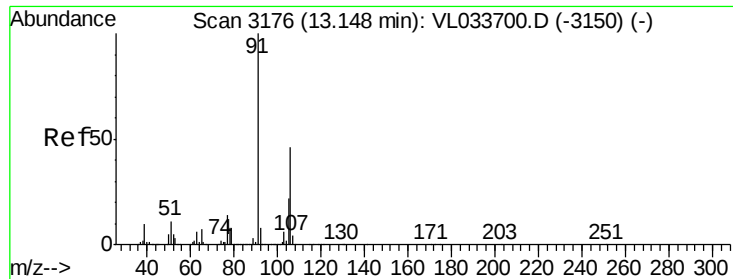


Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





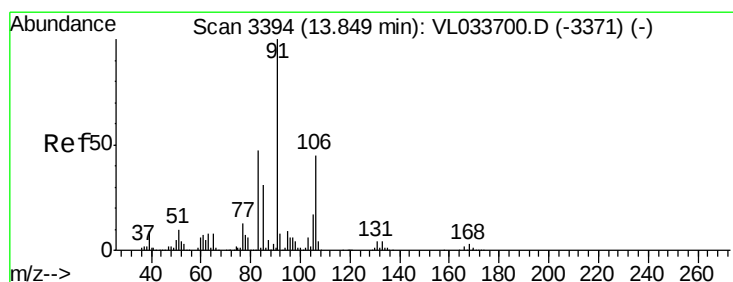
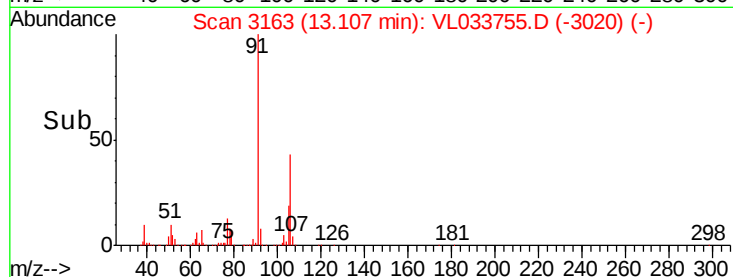
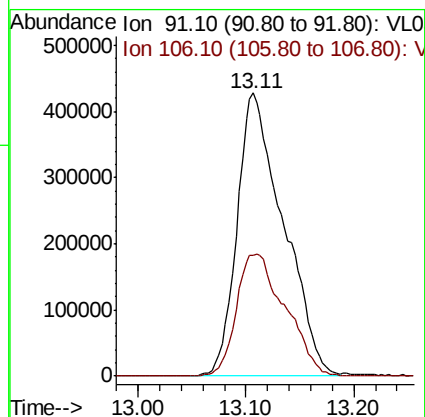
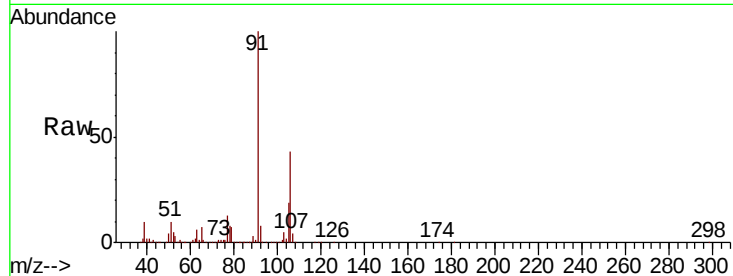
#59  
m/p-Xylene  
Concen: 4.273 ppbv  
RT: 13.11 min Scan# 3163  
Delta R.T. -0.04 min  
Lab File: VL033755.D  
Acq: 22 May 2019 22:07

Instrument :  
MSVOA\_L  
ClientSampleId :  
BPS1-SG-3002-25

Tot Ion: 91 Resp: 1272492  
Ion Ratio Lower Upper  
91 100  
106 45.8 35.8 53.6

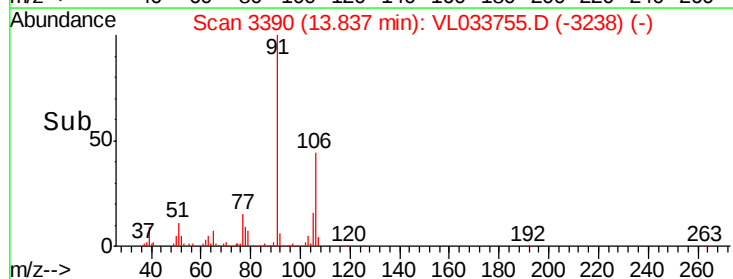
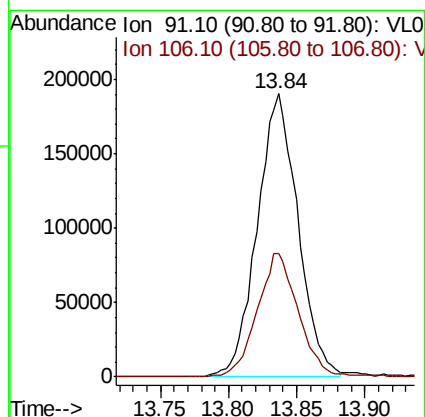
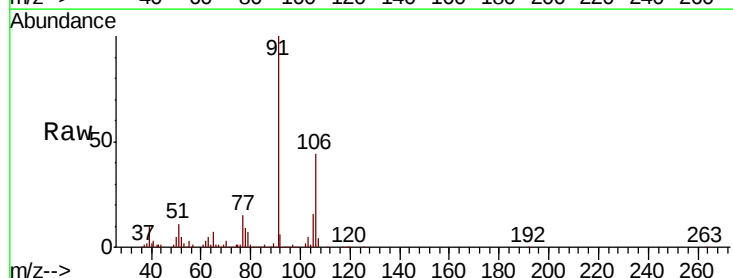
Manual Integrations  
APPROVED

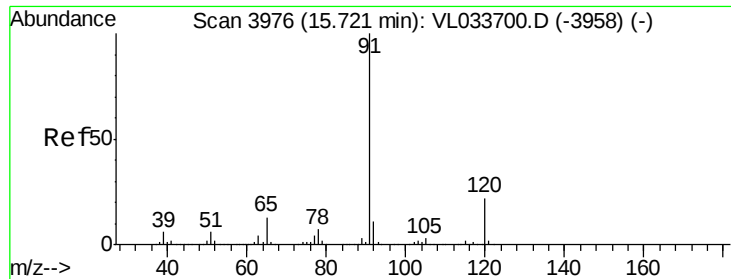
MMDadoda  
5/28/2019 2:51:10 AM



#60  
o-Xylene  
Concen: 1.313 ppbv  
RT: 13.84 min Scan# 3390  
Delta R.T. -0.01 min  
Lab File: VL033755.D  
Acq: 22 May 2019 22:07

Tgt Ion: 91 Resp: 394062  
Ion Ratio Lower Upper  
91 100  
106 44.1 21.6 64.8





#64

n-propylbenzene

Concen: 0.159 ppbv m

RT: 15.70 min Scan# 3971

Delta R.T. -0.02 min

Lab File: VL033755.D

Acq: 22 May 2019 22:07

Instrument :

MSVOA\_L

ClientSampleId :

BPS1-SG-3002-25

Tot Ion:120 Resp: 16635

Ion Ratio Lower Upper

120 100

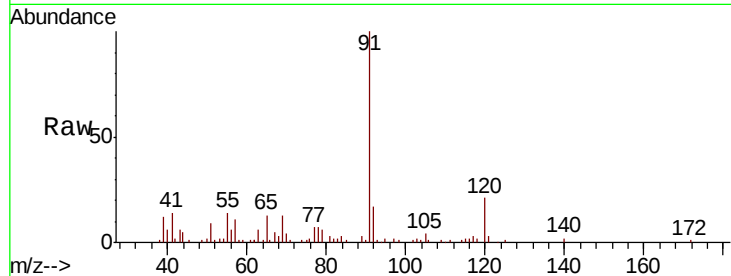
91 554.9 379.1 568.7

Manual Integrations

APPROVED

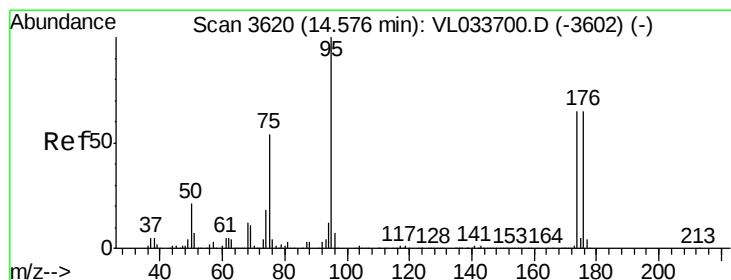
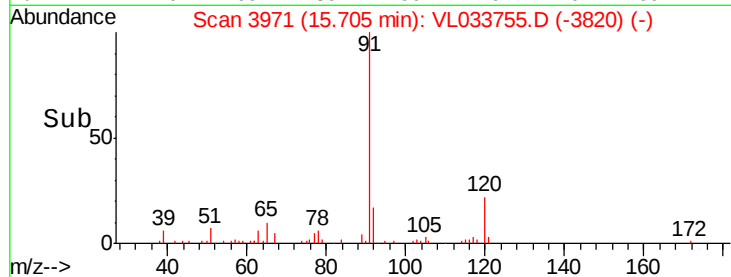
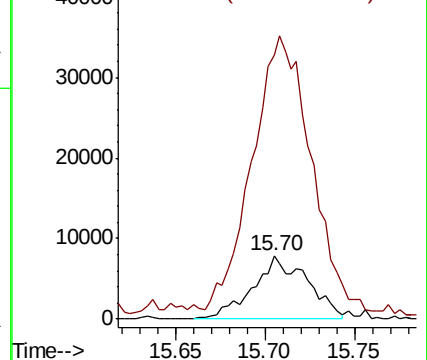
MMDadoda

5/28/2019 2:51:10 AM



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#68

1-Bromo-4-Fluorobenzene

Concen: 9.785 ppbv

RT: 14.56 min Scan# 3615

Delta R.T. -0.02 min

Lab File: VL033755.D

Acq: 22 May 2019 22:07

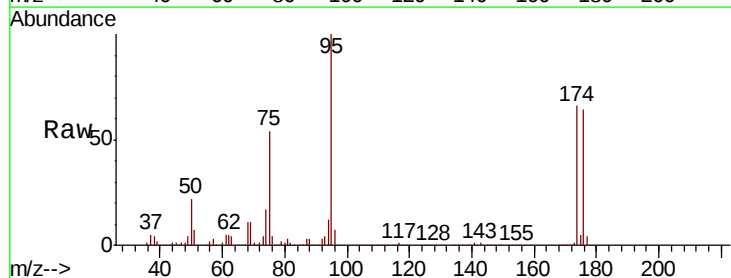
Tgt Ion: 95 Resp: 2040820

Ion Ratio Lower Upper

95 100

174 69.3 53.9 80.9

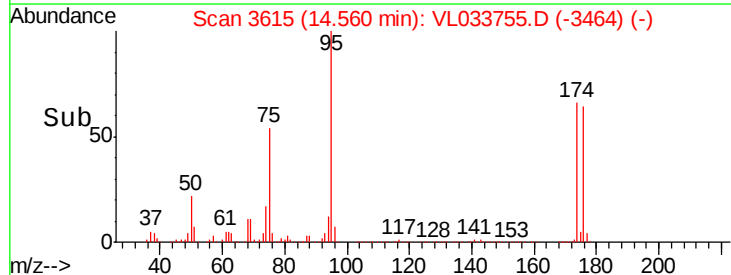
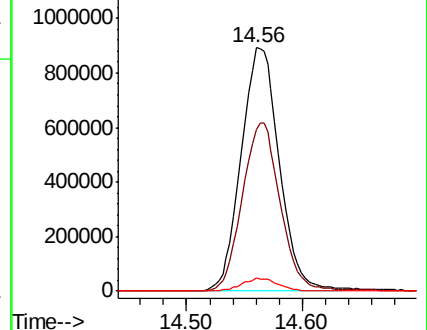
175 5.1 3.8 5.8

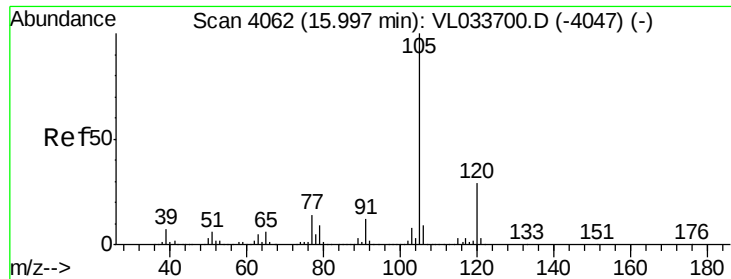


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#72

4-Ethyltoluene

Concen: 0.252 ppbv m

RT: 15.99 min Scan# 4059

Delta R.T. -0.01 min

Lab File: VL033755.D

Acq: 22 May 2019 22:07

Instrument :

MSVOA\_L

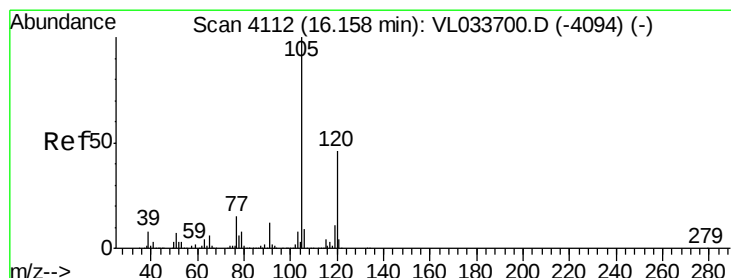
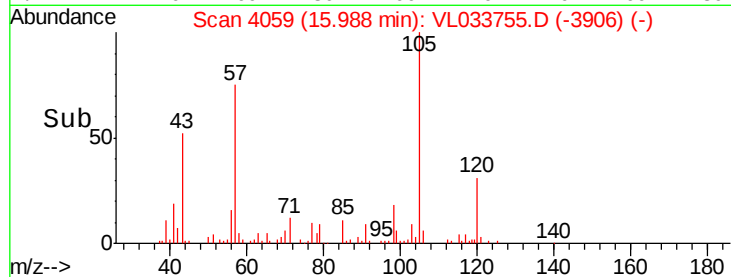
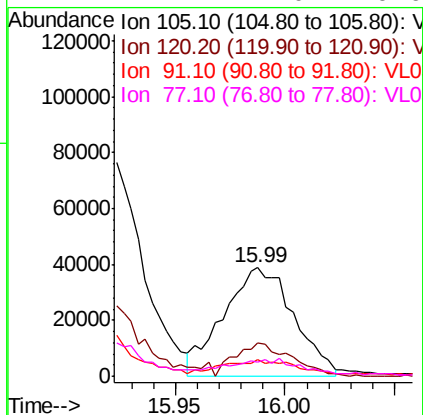
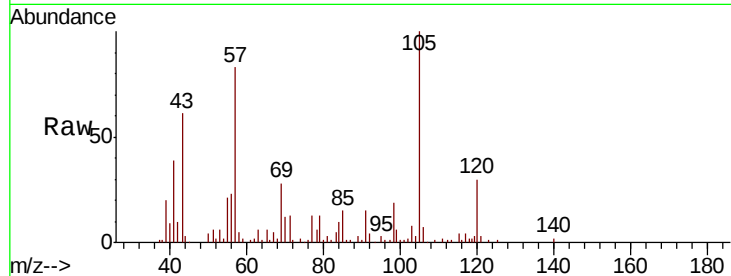
ClientSampleId :

BPS1-SG-3002-25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 105   | Resp: | 86536 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 24.6  | 23.1  | 34.7  |
| 91        | 17.8  | 10.4  | 15.6  |
| 77        | 14.1  | 11.0  | 16.6  |

Manual Integrations  
APPROVED

MMDadoda  
5/28/2019 2:51:10 AM



#73

1,3,5-Trimethylbenzene

Concen: 0.154 ppbv m

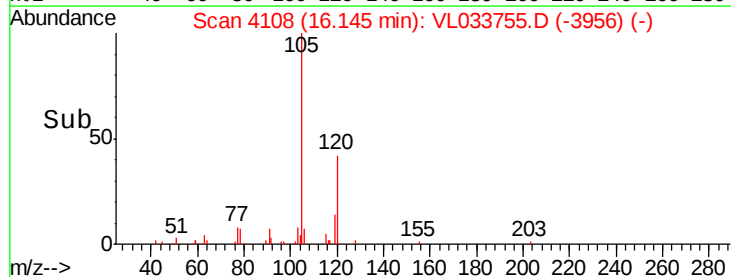
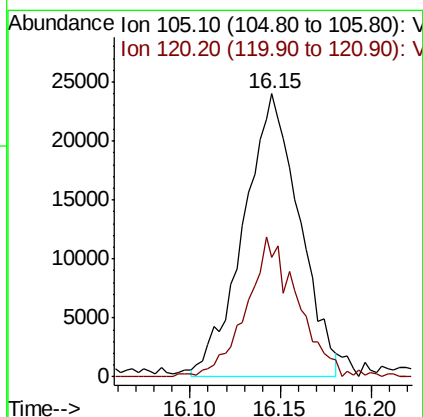
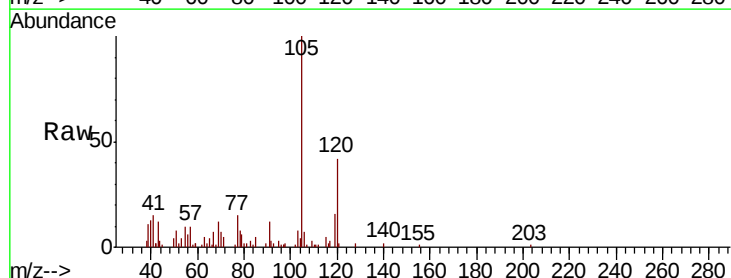
RT: 16.15 min Scan# 4108

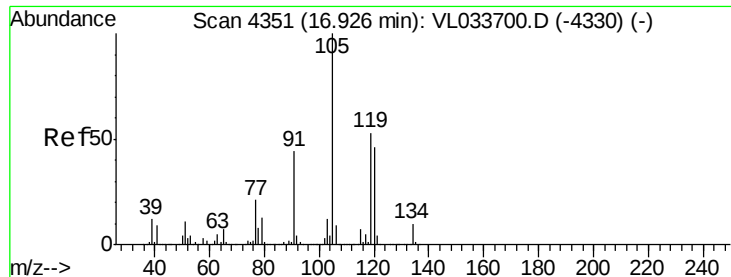
Delta R.T. -0.01 min

Lab File: VL033755.D

Acq: 22 May 2019 22:07

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 51669 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 42.4  | 37.0  | 55.4  |





#74  
 1,2,4-Trimethylbenzene  
 Concen: 0.547 ppbv  
 RT: 16.91 min Scan# 4346  
 Delta R.T. -0.02 min  
 Lab File: VL033755.D  
 Acq: 22 May 2019 22:07

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 BPS1-SG-3002-25

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 105     | 100   |            |       |
| 120     | 45.2  | 36.8       | 55.2  |
| 91      | 12.7  | 35.4       | 53.0# |
| 77      | 14.7  | 16.8       | 25.2# |

Manual Integrations  
 APPROVED

MMDadoda  
 5/28/2019 2:51:10 AM

